JP 2000-259860

FIG. 1

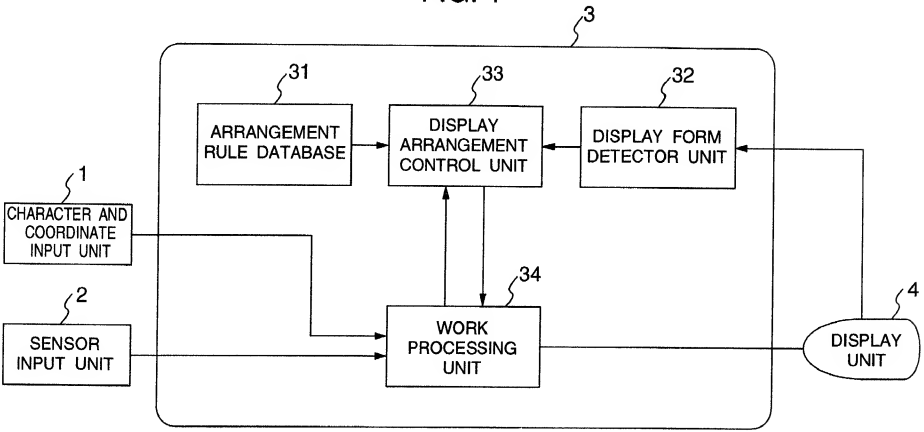

FIG. 2A

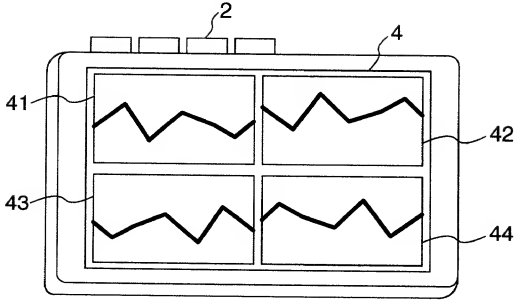

FIG.2B

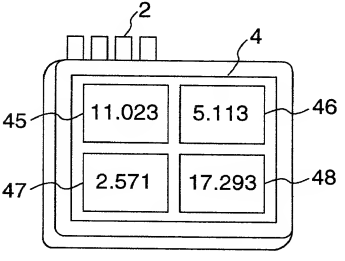

FIG. 3

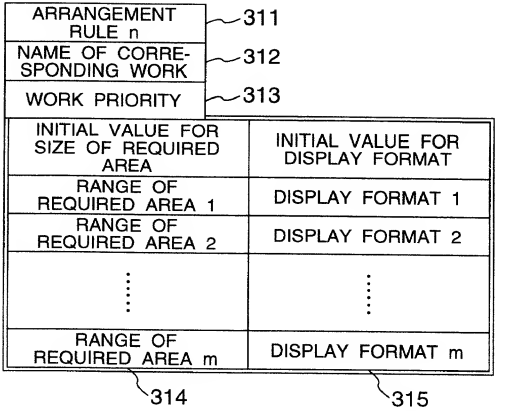
ARRANGEMENT RULE n
311
NAME OF CORRESPONDING WORK
312
WORK PRIORITY
313
INITIAL VALUE FOR SIZE OF REQUIRED AREA
INITIAL VALUE FOR DISPLAY FORMAT
RANGE OF REQUIRED AREA 1
DISPLAY FORMAT 1
RANGE OF REQUIRED AREA 2
DISPLAY FORMAT 2
RANGE OF REQUIRED AREA m
DISPLAY FORMAT m
314
315

FIG. 4

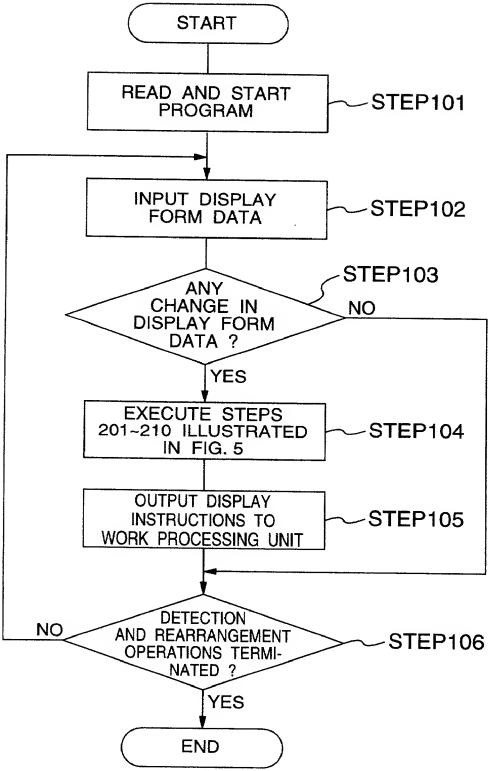
START
READ AND START PROGRAM
STEP101
INPUT DISPLAY FORM DATA
STEP102
ANY CHANGE IN DISPLAY FORM DATA ?
STEP103
NO
YES
EXECUTE STEPS 201~210 ILLUSTRATED IN FIG. 5
STEP104
OUTPUT DISPLAY INSTRUCTIONS TO WORK PROCESSING UNIT
STEP105
DETECTION AND REARRANGEMENT OPERATIONS TERMINATED ?
STEP106
NO
YES
END

FIG. 5

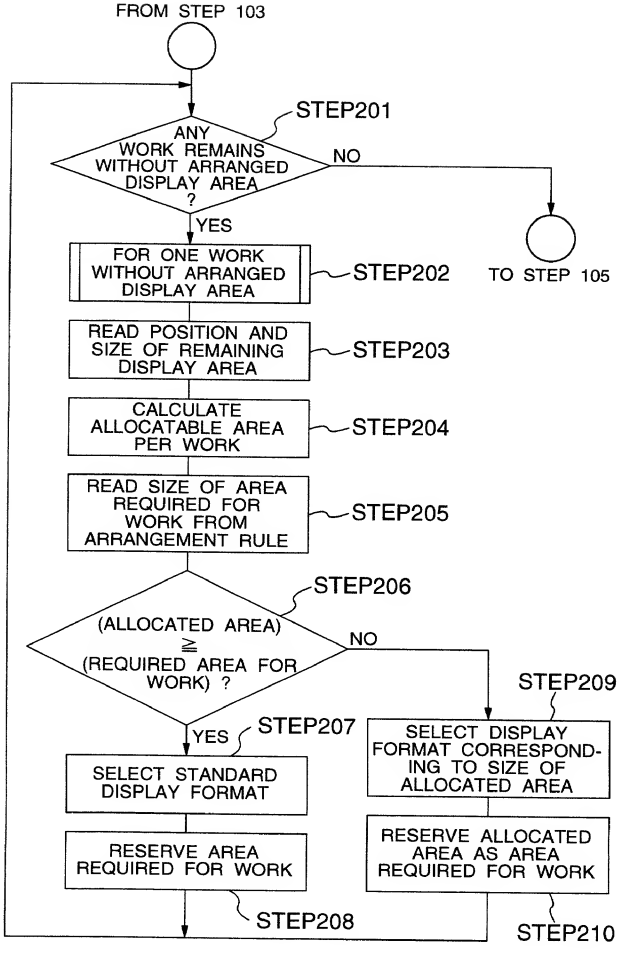
FROM STEP 103
STEP201
ANY WORK REMAINS WITHOUT ARRANGED DISPLAY AREA ?
NO
YES
TO STEP 105
FOR ONE WORK WITHOUT ARRANGED DISPLAY AREA
STEP202
READ POSITION AND SIZE OF REMAINING DISPLAY AREA
STEP203
CALCULATE ALLOCATABLE AREA PER WORK
STEP204
READ SIZE OF AREA REQUIRED FOR WORK FROM ARRANGEMENT RULE
STEP205
STEP206
(ALLOCATED AREA) ≧ (REQUIRED AREA FOR WORK) ?
NO
YES
STEP207
STEP209
SELECT STANDARD DISPLAY FORMAT
SELECT DISPLAY FORMAT CORRESPONDING TO SIZE OF ALLOCATED AREA
RESERVE AREA REQUIRED FOR WORK
RESERVE ALLOCATED AREA AS AREA REQUIRED FOR WORK
STEP208
STEP210

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FIG. 6

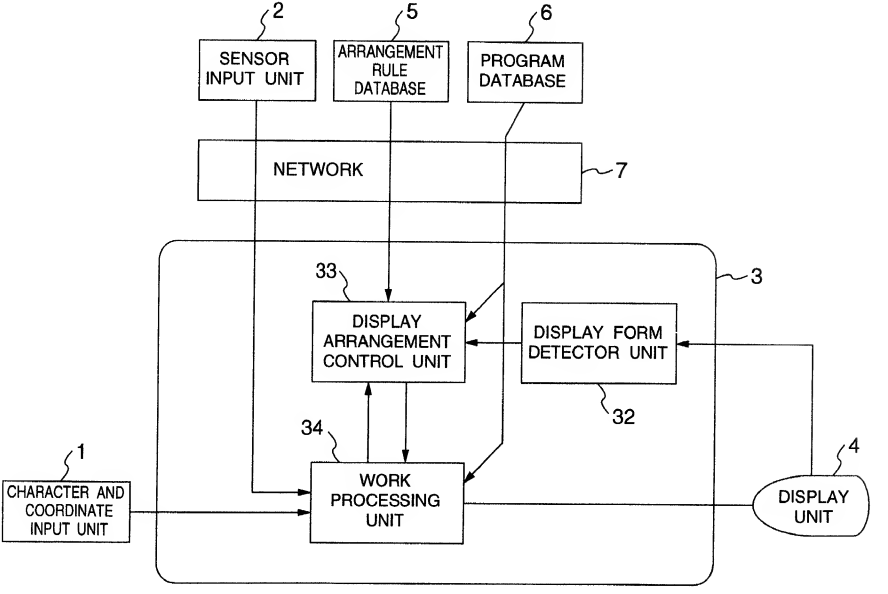

FIG. 7

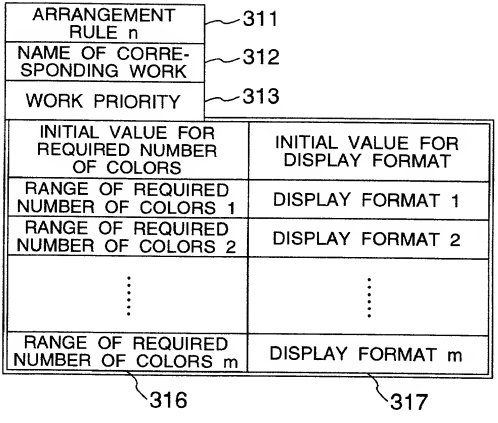
ARRANGEMENT RULE n
311
NAME OF CORRESPONDING WORK
312
WORK PRIORITY
313
INITIAL VALUE FOR REQUIRED NUMBER OF COLORS
INITIAL VALUE FOR DISPLAY FORMAT
RANGE OF REQUIRED NUMBER OF COLORS 1
DISPLAY FORMAT 1
RANGE OF REQUIRED NUMBER OF COLORS 2
DISPLAY FORMAT 2
RANGE OF REQUIRED NUMBER OF COLORS m
DISPLAY FORMAT m
316
317

FIG. 9

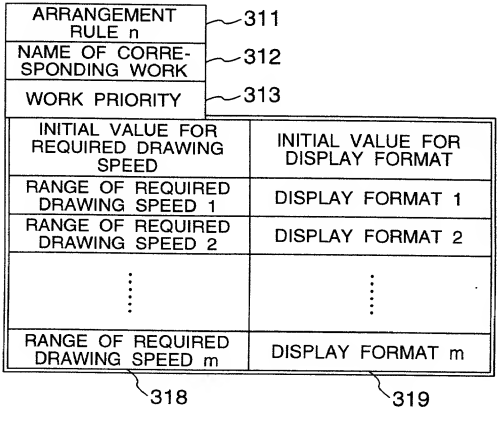
ARRANGEMENT RULE n
311
NAME OF CORRESPONDING WORK
312
WORK PRIORITY
313
INITIAL VALUE FOR REQUIRED DRAWING SPEED
INITIAL VALUE FOR DISPLAY FORMAT
RANGE OF REQUIRED DRAWING SPEED 1
DISPLAY FORMAT 1
RANGE OF REQUIRED DRAWING SPEED 2
DISPLAY FORMAT 2
RANGE OF REQUIRED DRAWING SPEED m
DISPLAY FORMAT m
318
319

FIG. 8

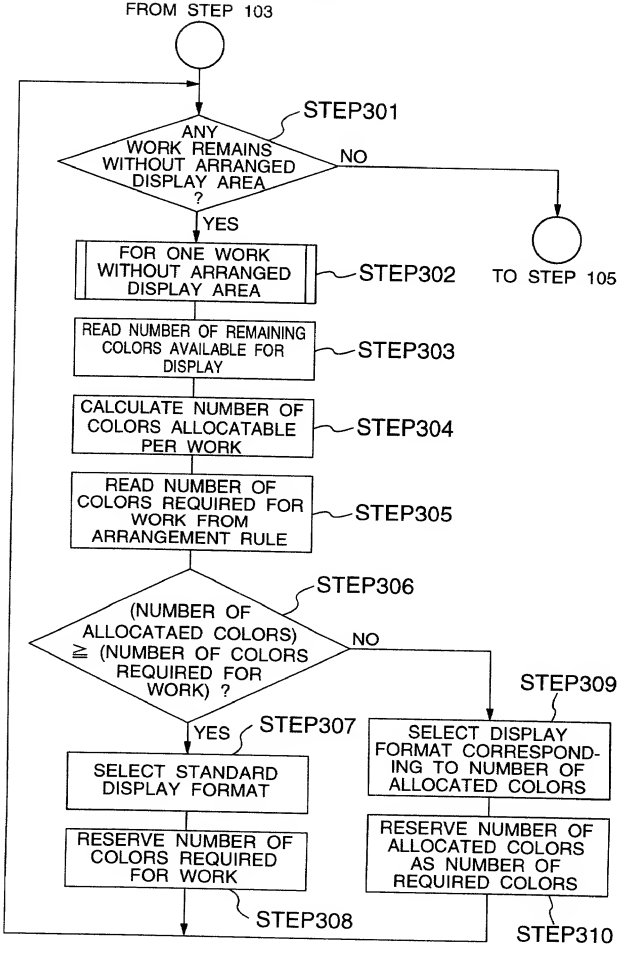
FROM STEP 103
STEP301
ANY WORK REMAINS WITHOUT ARRANGED DISPLAY AREA ?
NO
YES
TO STEP 105
FOR ONE WORK WITHOUT ARRANGED DISPLAY AREA
STEP302
READ NUMBER OF REMAINING COLORS AVAILABLE FOR DISPLAY
STEP303
CALCULATE NUMBER OF COLORS ALLOCATABLE PER WORK
STEP304
READ NUMBER OF COLORS REQUIRED FOR WORK FROM ARRANGEMENT RULE
STEP305
STEP306
(NUMBER OF ALLOCATAED COLORS) ≧ (NUMBER OF COLORS REQUIRED FOR WORK) ?
NO
YES
STEP307
STEP309
SELECT STANDARD DISPLAY FORMAT
SELECT DISPLAY FORMAT CORRESPOND-ING TO NUMBER OF ALLOCATED COLORS
RESERVE NUMBER OF COLORS REQUIRED FOR WORK
RESERVE NUMBER OF ALLOCATED COLORS AS NUMBER OF REQUIRED COLORS
STEP308
STEP310

FIG. 10

ARRANGEMENT RULE n	311
NAME OF CORRESPONDING WORK	312
WORK PRIORITY	313

	INITIAL VALUE FOR REQUIRED DRAWING SPEED	RANGE OF REQUIRED DRAWING SPEED 1	...	RANGE OF REQUIRED DRAWING SPEED p
INITIAL VALUE FOR SIZE OF REQUIRED AREA	INITIAL VALUE FOR DISPLAY FORMAT	DISPLAY FORMAT 0-1	...	DISPLAY FORMAT 0-p
RANGE OF REQUIRED AREA 1	DISPLAY FORMAT 1-0	DISPLAY FORMAT 1-1		
RANGE OF REQUIRED AREA 2	DISPLAY FORMAT 2-0			
⋮	⋮			⋮
RANGE OF REQUIRED AREA m	DISPLAY FORMAT m-0		...	DISPLAY FORMAT m-p

321

320

322
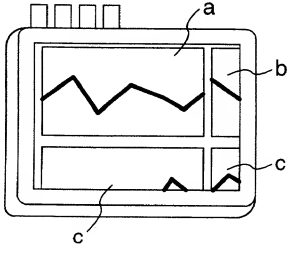
FIG. 11
PRIOR ART